County Clinton

sec. 27 T. 56 R. 30

Owner Hendricks, E.R. et al

Elev. 1027 MGS# 8299

Farm Estep, Lee No. 5 TD 655 Shows oil Spls. ✓

Status D&A Date Completed 6-30-43 Fm@TD Chester

Remarks:

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MISSOURI GEOLOGICAL SURVEY AND WATER RESOURCES

County: Clinton
Owner: E. R. Hendricks - Lee Estep (5
Location: SW SW SW SW Sec. 27, T. 56, R. 30
Source: Well - Base of Squirrel sand at 575
Analysis No.: 3609 Total Depth 655 and No. _____
Date Analyzed: 10-3-43
Analyst: H. T. Polufs
Collector: F. C. Greene

CONSTITUENTS:	IN PARTS PER MILLION
Turbidity	Turbid
Color	None
Odor	None
Total Suspended Solids	ND
Total Dissolved Solids	6916.0
Loss on Ignition	120.0
Chloride Radicle (Cl)	3356.0
Nitrate Radicle (NO_3)	ND
Sulphate (SO_4)	5.5
Bi-Carbonate Radicle (HCO_3)	921.4
Carbonate Radicle (CO_3)	00
Sodium (Na) Potassium (K) as Na	2472.1
Magnesium (Mg)	31.9
Iron (Fe)	ND
Manganese (Mn)	ND
Insoluble Silica (SiO_2)	14.4
Calcium (Ca)	48.6
Total Hardness	252.3
Carbonate Hardness	252.3
Alkalinity	755.5
Precipitated Iron (Pp't. Fe.)	ND
Temporary Hardness	ND
Al_2O_3 , & Fe_2O_3	3.6

Remarks:

Copies to: F. C. Greene

cc: fcg.

27-F-30

MISSOURI GEOLOGICAL SURVEY AND WATER RESOURCES - ROLLA, MO.

COUNTY Clinton LOG NUMBER 8299

COMPANY OR OWNER E. R. Hendricks, et al

FARM Lee Estepp WELL NO. 5

LOCATION SEC. 27 T. 56 R. 30

CONTRACTOR J. Bradford & Son

DRILLER R. Bradford TOOL DR. G. Bradford

COMMENCED 6/5/43 COMPLETED 6/30/43

PRODUCTION D & A PLOTTED

CASING RECORD

WATER RECORD

SOURCE OF LOG Driller's original ELEV. 1027 H.L.

REMARKS TOTAL DEPTH 655

CHEM. ANAL. NO.

FORMATION	THICK.	DEPTH	FORMATION	THICK.	DEPTH
Surface	0	2	Shale	174	196
Clay, yellow	2	10	Lime	196	204
White clay	10	30	Dark grey shale	204	207
Yellow clay (8" pipe @ 63)	30	63	Lime	207	212
Lime	63	66	Grey shale	212	229
Shale, gray	66	74	Lime	229	255
Lime	74	75	Black shale and some slate, gas bubbles, 5 bbls water per hr.	255	261
Shale	75	89	Lime	261	276
Sand	89	92	Shale, dark and slate water increased	276	280
Grey shale	92	115	Lime	280	281
Lime	115	116	Shale	281	282
Lime	116	117	Lime Herth	282	293
Shale	117	118	Shale, green	293	315
Lime	118	120	Sandy grey shale	315	325
Shale, grey	120	125	Sand, oil showing, small & heavy oil	325	327½
Lime	125	126	Sand, muddy and lensing	327½	330
Shale	126	136	Muddy sand	330	340
Lime	136	137	Sandy shale, gray	340	388
Coal and black slate	137	140	Sand	388	411
Grey shale	140	150	Green shale	411	416
Lime	150	154	Lime Hm	416	419
Grey shale	154	156	Dark shale	419	425
Lime	156	157			
Red and green shale	157	165			
Green shale, 5 bbls water min.	165	170			
Lime	170	174			

(over)

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Lite green shale, sandy 6¼ csg. at 454	425	450	
Grey shale	450	458	
Lime	458	463	
Sand, soft, some oil stain	463	465	
Sand soft, lensing sand, small oil show, some saturation, small	465	467	
Sand, soft, small oil	467	470	
Sand, soft	470	471	
Lime, Lex. cap	471	476	
Black slate and coal, mostly slate	476	480	
Lite sandy grey shale	480	514	
Lime	514	516	
Grey shale	516	524	
Lime	524	525	
Lite sandy shale	525	532	
Sand, oil showing good, low gravity	532	533	
Sand, oil, showing smaller	533	534	
Sand, some oil	534	537	
Shale, very sandy & white	537	539	
Sand, some oil	539	544	
Sand, oil some better	544	547	
Shale, sandy	547	560	
Muddy sand, fine grained	560	573	
Lime	573	575	
Coal and black slate, some water	575	579	
Dark shale	579	595	
Lite sandy shale	595	607	
Lime	607	610	
Blk slate and shale	610	615	
Grey sandy shale	615	630	
Black slate and shale, some red @ 630	630	635	
Green shale	635	645	
Red bed	645	650	
Green shale	650	655	TD